

COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, VA 22313-1450



Sir:

Transmitted herewith for filing is the patent application of

Inventor(s): James Robert PATEREK

For: HYDROGEN PRODUCTION FROM ORGANIC WASTES, MANURES AND ENERGY CROPS USING A TWO-PHASE BIOREACTOR SYSTEM

Enclosed are:

- Fifteen (15) pages of specification, four (4) pages of claims (Claims 1-16), one (1) page of Abstract, and Five (5) sheets of drawings (Figs. 1-5).
- Executed combined Oath or Declaration, Power of Attorney and Petition.
- Certificate of Mailing by Express Mail, two (2) pages.
- A verified statement to establish small entity status under 37 CFR 1.9 and 37 CFR 1.27.
- Recordation Form Cover Sheet, in duplicate, together with executed Assignment Document.
- Information Disclosure Statement, together with Form PTO-1449 (2 pages) and with a copy of each and every cited reference.
- Return Receipt Postcard.

The filing fee has been calculated as shown below:

	COL. 1	COL. 2	SMALL ENTITY	LARGE ENTITY
FOR:	NO. FILED	NO. EXTRA	RATE	FEES
BASIC FEE				\$375 OR
TOTAL CLAIMS	16 less 20	0	X 09 =	0 OR X 18 =
INDEPENDENT CLAIMS	2 less 3	0	X 42 =	0 OR X 84 =
MULTIPLE DEPENDENT CLAIMS PRESENTED			+140 =	OR +280 =
* IF THE DIFFERENCE IN COL. 1 IS LESS THAN ZERO, ENTER "0" IN COL. 2			TOTAL	\$375 OR TOTAL

- Please charge my Account No. 502045 in the amount of (\$375.00). A duplicate copy of this sheet is enclosed.
- The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 502045. A duplicate copy of this sheet is enclosed.
  - Any additional filing fees required under 37 CFR 1.16.
  - Any patent application processing fees under 37 CFR 1.17.

Gas Technology Institute  
1700 South Mount Prospect Road  
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Phone (847) 768-0832  
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Case Docket No. GTI-1532

Express Mail No.: EL649157416US

Date of Deposit: 07 July 2003

17497 U.S. PTO  
1710/614609  
07/07/03

*Mark E. Fejer*  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: James Robert PATEREK

Title: HYDROGEN PRODUCTION FROM ORGANIC  
WASTES, MANURES AND ENERGY CROPS  
USING A TWO-PHASE BIOREACTOR SYSTEM

Express Mail No.: EL649157416US

Date of Deposit: 07 July 2003

**CERTIFICATE OF MAILING BY EXPRESS MAIL**

**Mail Stop PATENT APPLICATION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

I hereby certify that the subject patent application is being deposited with the United States Postal Service as Express Mail Post Office to Addressee No. EL649157416US, on 07 July 2003, and is addressed to Mail Stop PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, together with the items listed below.

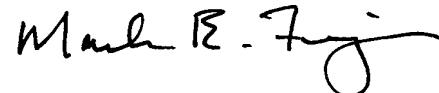
- Transmittal Letter, in duplicate
- Fifteen (15) pages of specification, four (4) pages of claims  
(Claims 1-16), one (1) page of Abstract, and five (5) sheets of drawings (Figs. 1-5)

Express Mail No.: EL649157416US

Executed combined Oath or Declaration, Power of Attorney and  
Petition

- Information Disclosure Statement, together with Form PTO-1449, two (2) pages, and with copies of each and every cited reference
- One (1) Recordation Form Cover Sheet, in duplicate, together with executed Assignment Document
- Return Receipt Postcard

Respectfully submitted,



Mark E. Fejer  
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